



IFW

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 100067)

In re Application of:)
Busta et al.)
Serial No.: 10/814,714) Art Unit: TBD
Filed: March 31, 2004) Examiner: TBD
For: An Electron Source and Method for) Customer No. 29050
Making Same)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

TRANSMITTAL LETTER

In regard to the above identified application,

1. We are transmitting herewith the attached:
 - a) Information Disclosure Statement;
 - b) Information Disclosure Statement PTO Form 1449 (2 shts), including Forty-One (41) cited references (40 listed, 1 enclosed);
 - c) Return Postcard.
2. With respect to fees, no fee is required. Please charge any underpayment or credit any overpayment our Deposit Account, No. 13-2490. A duplicate copy of this sheet is enclosed.
3. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 14, 2004.

Dated: 6/14/04

By:

Thomas E. Wettermann
Reg. No. 41,523



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 100067)

In re Application of:)
)
)
Busta et al.)
)
Serial No.: 10/814,714) Art Unit: TBD
)
)
Filed: March 31, 2004) Examiner: TBD
)
)
For: An Electron Source and Method for)
Making Same)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the duty of disclosure provided by 35 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make the following references of record in the above-identified application. Copies of the non-patent references are enclosed. Copies are also listed in the PTO-1449 form enclosed herewith. It is requested that the documents be given careful consideration and that they be cited of record in the prosecution history of the present application so that they will appear on the face of the patent issuing from the present application.

Portions of the references may be material to the examination of the pending claims, however no such admission is intended. 37 C.F.R. 1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective dates early enough to be "prior art" within

the meaning of 35 U.S.C. sections 102 or 103, nor is this submission to be construed as a representation that a search has been made.

CITED REFERENCES

U.S. Patents

	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
1.	4,531,122	7/23/85	Redfield
2.	5,245,686	9/14/93	Faris et al.
3.	5,498,925	3/12/96	Bell et al.
4.	5,529,524	6/25/96	Jones
5.	5,548,181	8/20/96	Jones
6.	5,578,901	11/26/96	Blanchet-Fincher et al.
7.	5,587,623	12/24/96	Jones
8.	5,614,781	3/25/97	Spindt et al.
9.	5,616,368	4/1/97	Jin et al.
10.	5,619,097	4/8/97	Jones
11.	5,623,180	4/22/97	Jin et al.
12.	5,667,724	8/16/97	Petersen
13.	5,688,158	11/18/97	Jones et al.
14.	5,691,600	11/25/97	Moyer et al.
15.	5,709,577	1/20/98	Jin et al.
16.	5,746,635	5/5/98	Spindt et al.
17.	5,747,100	5/5/98	Petersen
18.	5,770,918	6/23/98	Kawate et al.
19.	5,779,920	7/14/98	Chadha et al.
20.	5,796,211	8/18/98	Graebner et al.
21.	5,821,685	10/13/98	Peterson
22.	5,838,096	11/17/98	Shinada et al.

23.	5,926,239	7/20/99	Kumar et al.
24.	5,977,697	11/2/99	Jin et al.
25.	5,982,095	11/9/99	Jin et al.
26.	5,989,776	11/23/99	Felter et al.
27.	6,005,247	12/21/99	Baum
28.	6,007,963	12/28/99	Felter et al.
29.	6,020,677	2/1/00	Blanchet-Fincher et al.
30.	6,057,637	5/2/00	Zettl et al.
31.	6,064,148	5/16/00	Tolt et al.
32.	6,068,750	5/30/00	Rasmussen
33.	6,097,139	8/1/00	Tuck et al.
34.	6,117,294	9/12/00	Rasmussen
35.	6,132,492	10/17/00	Hultquist et al.
36.	6,146,230	11/14/00	Kim et al.
37.	6,146,798	11/14/00	Bringans et al.
38.	6,162,577	12/19/00	Felter et al.
39.	6,239,547	5/29/01	Uemura et al.
40.	6,250,984	6/26/01	Jin et al.

Other Documents

41. Karabutov, A.V., Ralchenko V.G., Korchagina, S.B., Gordeev, S.K., "Substitution of Diamond with Insulator in Nanostructured Carbon Low-Field Emitters," IEEE 2001, pp. 277-278.

Respectfully submitted,

McDonnell, Boehnen, Hulbert & Berghoff

By:



Thomas E. Wettermann
Registration No. 41,523

Date: June 14, 2004

FORM PTO-1449
(Rev. 2-32)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

100067

Serial No.

10/814,714



**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use several sheets if necessary)

Applicant:
Busta et al.

Filing Date:
March 31, 2004

Group:
TBD

U. S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1. 4,531,122	7/23/85	Redfield			
	2. 5,245,686	9/14/93	Faris et al.			
	3. 5,498,925	3/12/96	Bell et al.			
	4. 5,529,524	6/25/96	Jones			
	5. 5,548,181	8/20/96	Jones			
	6. 5,578,901	11/26/96	Blanchet-Fincher et al.			
	7. 5,587,623	12/24/96	Jones			
	8. 5,614,781	3/25/97	Spindt et al.			
	9. 5,616,368	4/1/97	Jin et al.			
	10. 5,619,097	4/8/97	Jones			
	11. 5,623,180	4/22/97	Jin et al.			
	12. 5,667,724	8/16/97	Petersen			
	13. 5,688,158	11/18/97	Jones et al.			
	14. 5,691,600	11/25/97	Moyer et al.			
	15. 5,709,577	1/20/98	Jin et al.			
	16. 5,746,635	5/5/98	Spindt et al.			
	17. 5,747,100	5/5/98	Petersen			
	18. 5,770,918	6/23/98	Kawate et al.			
	19. 5,779,920	7/14/98	Chadha et al.			
	20. 5,796,211	8/18/98	Graebner et al.			
	21. 5,821,685	10/13/98	Peterson			

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

FORM PTO-1449
(Rev. 2-32)

**U.S. Department of Commerce
Patent and Trademark Office**

Atty. Docket No.
100067

Serial No.
10/814,714

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use several sheets if necessary)

Applicant:
Busta et al.

Filing Date:
March 31, 2004 **Group:**
TBD

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	22.	5,838,096	11/17/98	Shinada et al.			
	23.	5,926,239	7/20/99	Kumar et al.			
	24.	5,977,697	11/2/99	Jin et al.			
	25.	5,982,095	11/9/99	Jin et al.			
	26.	5,989,776	11/23/99	Felter et al.			
	27.	6,005,247	12/21/99	Baum			
	28.	6,007,963	12/28/99	Felter et al.			
	29.	6,020,677	2/1/00	Blanchet-Fincher et al.			
	30.	6,057,637	5/2/00	Zettl et al.			
	31.	6,064,148	5/16/00	Tolt et al.			
	32.	6,068,750	5/30/00	Rasmussen			
	33.	6,097,139	8/1/00	Tuck et al.			
	34.	6,117,294	9/12/00	Rasmussen			
	35.	6,132,492	10/17/00	Hultquist et al.			
	36.	6,146,230	11/14/00	Kim et al.			
	37.	6,146,798	11/14/00	Bringans et al.			
	38.	6,162,577	12/19/00	Felter et al.			
	39.	6,239,547	5/29/01	Uemura et al.			
	40.	6,250,984	6/26/01	Jin et al.			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	41.	Karabutov, A.V., Ralchenko V.G., Korchagina, S.B., Gordeev, S.K., "Substitution of Diamond with Insulator in Nanostructured Carbon Low-Field Emitters," IEEE 2001, pp. 277-278.
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.